

RAMLAL PAUL HIGHER SECONDARY SCHOOL  
ANNUAL EXAMINATION 2023

CLASS : (VIII)

SUBJECT : SCIENCE

F.M. 80

1. Fill in the blanks.

1×10=10

- a. A push or a pull on an object is called a force.
- b. A charged body attracts an uncharged body towards it.
- c. Sliding friction is less than static friction.
- d. Loudness of sound is determined by the amplitude of vibration.
- e. The unit of frequency is Hertz (Hz).
- f. A person in is in front of a plane mirror seems to be 2 away from his image.
- g. Metals react with acids to produce Hydrogen gas.
- h. The process of separation of different constituents from petroleum is called refining.
- i. Burning of wood and coal causes pollution of air.
- Guiss 0 j. If you pass current through copper sulphate solution copper gets deposited on the plate connected to the ..... terminal of the battery.

2. Tick True/False (T/F) against the following statements.

1×5=5

- a. Fossil fuels can be made in the laboratory. F
- b. CNG is more polluting fuel than petrol. F
- c. Coke is almost pure form of carbon. T
- d. Coal is a mixture of various substances. 90K
- e. Kerosene is not a fossil fuel. F

3. Choose the correct answer.

1×5=5

- i. Sound can travel through.
- a) Gases only                      b) Solid only
- c) Liquid only                    d) Solid, Liquid and gases
- ii. Voice of which of the following is likely to have minimum frequency
- a. A baby girl                      b. A baby boy
- c. A man                              d. A woman



iii. Internal fertilization occurs

- ✓ a. In female body                      b. Outside female body  
c. In male body                      d. Outside male body

iv. A tadpole develops into an adult frog by the process of

- a. Ferilization                      ✓ b. Metanorphosis  
c. Inbedding                      d. Budding

v. The number of nuclei present in zygote is

- a. none                      ✓ b. one  
c. two                      d. four

4. Write full four of CNG *compressed Natural Gas* 1

5. Define metamorphois. 1

✓ 6. In which female reproductive organ does the get embedded? *womb* 1

7. Define adolescent. 1

8. An inflated ballon was pressed against a wall after it has been rubbed with a peice of synthetic cloth. It was found that the ballooon sticks to the wall. What force might be responsible for the altraction between the ballon and the wall?  $F = \frac{1}{T}$  1

9. A pendulum oscillates 40 times in 4 seconds. Find its time periods.  $\frac{1}{10}$  1

10. Why beautiful paltrns are found in a keleidoscope? *as it has 2 mirrors* 1

11. Which liquid is a good conductor of electricity? *ammonia* 1

12. Which fibre is known us artificial silla? *Rayon* 1

✓ 13. How is electric current is passed into a liquid? *Think OK!* 1

14. Immerson rods for heating liquids our mode up of metallic substance why? 1

15. Name the petrollum product used for surfacing of roads. *coal tar* 1

16. What is the full form of LED? 1

17. Write short notes on nucleus of a cell. *plant* 3

18. Explain why chloroplasts are found only in *plant* cell. 3

19. List any three changes in the body that take place at puberty. 3

20. What happens when iron nails are placed in copper sulphate solution? Write the seaction also. 3

21. Write three effects of force. 3

22. How is sound produced by humans? 3

23. How does water put off fire? 3

24. What is reflection of light? State the two laws of reflection of light. 3



25. Friction is a necessary Discuss the given statement with examiles. 5
26. How can you help to reduce <sup>our</sup> pollution ? 5
27. Describe Global Warming ? 5
28. Emplain why fossil fuels are exhaustible natural resources. 5
29. Draw and label a schematic diagram shawing binary fussion in amoeba. 3

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